

Homework 4: Due Oct. 23, 2014

Hand in a hard copy at the beginning of class. Show your work.

1. Population growth rate calculations

- (a) The population of India in 2012 was roughly 1.26 billion. Its population was growing at a rate of 1.5%. Assuming that growth continues at that rate, what will be India's population in the year 2060?
- (b) Calculate the doubling time of India's population at its current growth rate.
- (c) Starting with the world population in mid-2013 of 7.137 billion, and using an average growth rate of 1.2%, calculate in what year the world population density on dry land will reach 1 person/m² (the world has a dry land area of 1.31×10^{14} m²).

2. Do question 14 on page 185.

3. Do questions 17a,b,c on page 185.